



Yellow Book Code – The Safety of Small Commercial Motor Vessels <u>15 persons

Category 2 – up to 60 miles from safe haven

Category 3 – up to 20 miles from safe haven

Category 4 – up to 20 miles from safe haven in favourable weather & daylight

No. of Persons – n (max. no. of persons – determined from stability tests, available accommodation & safety equipment, including a max. of 12 passengers)

PART1 – Construction / stability

- Vessel has a watertight weather deck
- Vessel/hull is either:
 - Surveyed & Certificated by a MCA recognised Class Society
 - Surveyed & Certificated by MECAL
 - In possession of valid Load Line or LL Exemption Certificate
 - Has individual plan approval
 - Has EC Certification for appropriate Design Class (independently verified)
 - Has more than 5 years safe history of the vessel or type
 - Hull structure acceptance to be based on at least 5 years safe history of design (declared by owner, builder)
- Out of water, structural survey
- Heeling test for stability assessment

PART2 – Fixed equipment/systems

- Deck hatch coaming height 300 mm minimum Flush w/t hatches accepted where emergency access not required
- Fwd hatches should be hinged on fwd edge unless Category 2,3,4, with favourable weather restriction and provided with efficient portable blanks
- Any escape hatches require to be openable from both sides
- Vents to have means to prevent downflooding
- Hull engine vents acceptable if substantially above w/l and with means to prevent downflooding (e.g baffle/weir) and with Cat. 2, favourable weather restriction on certificate
- All below waterline hull penetrations to have closure valves
- Above waterline hull penetrations to have valve closures or non-return valves or swan necked with attached plugs (if substantially above waterline)
- Anti siphon measures for toilet discharges
- Windows/ports toughened glass or refer to RCD (ISO) requirements for other materials
- Rail height 1000mm minimum, spacing 2200mm minimum
- Fuel system to ISO 10088 – “Small Craft - Permanently installed fuel systems & fixed fuel tanks”
- Flexible fuel link elements to ISO 8740 specification
- Remote fuel cut-off valve
- Engine compartment fire retardant surfaces & insulation
- Ventilation shut-off to engine compartment (fire protection)
- Electrical protection, wiring & terminations - marine standard
- Emergency escape & embarkation lighting (can be dedicated torches for smaller vessels)
- Engine space flooding alarm

Registered in England No 5888621

Authorised to undertake MCA Small Commercial Vessel Code Compliance Examinations

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- Plastic or rubber pipes connected to seacock below water line in engine space to have:
 - Seacock capable of remote closure from outside the engine space or
 - All plastic raw water pipes below water level should be lagged with fire resistant lagging or
 - Pipes should be replaced with either ISO Standard 7840 or exhaust quality rubber hosing or metallic pipe without soldered joints.
- Recent evidence of fuel tank cleaning required
- Two sources of power for engine starting (can be via two separate battery/banks with change over and paralleling switching); note: engine start battery/bank to be dedicated with no domestic loads to inadvertently discharge.
- Engine space bilge (Oil pollution) must not have automatic bilge pump.
- Battery security & ventilation
- Bilge pumping from each compartment (operated from outside compartment) – drain valves from extremities
- Minimum 1 hand bilge pump (with strum box)
- Minimum 1 power bilge pump (with strum box)
- Additional bilge pumping could be accepted as mitigation for an increase in downflooding risk
- Fire rated sea hoses in eng. space
- Fire pump (outside engine space)
- Fixed fire extinguishing system for engine space
- Gas detector with sensor below appliance & in adjacent bilge.
- Gas Safe Certificate.
- Emergency steering facility
- Two sources of power for engine starting
- Windlass if anchor size is >30kg
- Main & kedge anchors as follows (assume Rule length eg for 14m):
- Main anchor 24kg with 10m of 10mm chain plus 50m of 14mm nylon warp (high holding power type anchor)
- Kedge anchor 12kg plus 10m of 8mm chain plus 50m of 12mm nylon warp (high holding power type anchor)
- Nav lights & shapes and sound signals as per Collregs (includes NUC lights & shapes for >12M vessels)
- **For >24 hour sailing :**
- Adequate ventilation below decks
- No. of bunks = no. of persons
- 50% secure bunks (e.g lee cloths)
- 1 Heads & washbasin per 12 person
- Safety signage-to be specified.

PART 3 – Safety inventory

Item	Cat 2	Cat 3	Cat 4
Liferaft – DpT SOLAS A (cat.0), B (cat 1,2,3,4) or ORC or ISAF or ISO 9650-1 plus grab bag (cat 2,3,4) when SOLAS B pack not included	yes	yes	yes

in raft			
Hydrostatic release for liferafts	yes	yes	yes
Lifebuoy (horseshoe or round)	2	2	2
Lifebuoy lights – fitted to buoy with with dan buoy & other free buoy	2	2	2
Lifebuoy buoyant lines (18M) – fitted to remaining 2 lifebuoy	2	2	2
Lif jackets (DTp or BSEN399-275N or BSEN396-150N) 2 extra if gas infl. Type. Lights needed (+L)	N +L	N+L	N+L
Safety harnesses	2	2	2
Jackstays plus cockpit attachment points for harnesses (where guard rails < 1m)	yes	yes	yes
Red para flares	4	4	0
Red hand flares	6	6	2
Red smoke- buoyant or hand (cat 2,3,4)	2	2	2
TPA (thermal protective aids) - include those in liferafts	n	n	n
Portable vhf-waterproof or in waterproof housing/bag (not Cat.4 if fixed vhf provided)	1	1	-
Emergency instruction card for VHF operation	1	1	1
SSB radio or INMARSAT ship earth station	-	-	-
406 EPIRB	R	R	R
121.5 SART (not required if EPIRB has 406/121.5 dual frequency)	-	-	-
SOLAS 1 or 2 SOLAS 2 rescue information charts - displayed	1	1	1
Training manual	1	1	1
Instructions for on-board maintenance of life saving appliances	1	1	1
Fire extinguishers 2-(13 A 113B) at least one for each exit, 2- fire buckets, fire blanket	yes	yes	yes
Nautical publications –local chart folio plus in-date nautical almanac	yes	yes	yes
Regulations M.1642/ COLREG1 1996)	yes	yes	yes
DpT approved radar reflector	1	1	1
Compass deviation correction table	yes	yes	yes
Hand bearing compass or Pelorus	1	1	1
Searchlight	1	1	-
Emergency torch	1	1	1
Barometer	1	R	R
Window blanks	R	R	R
Emergency water supply n x 2 Litres	yes	yes	yes
Man overboard recovery device	yes	yes	yes
Med. kit & First Aid Man. (Merchant Shipping Notice MSN1768 scale C) or equiv.	C	C	C

NOTE:

n = number of persons

R = Recommended